

CLAIMS:

**1. through 10 (Cancelled)**

**11. (New)** An optical information-recording medium that has at least two or more different information-recording surfaces each of which has separate information previously recorded thereon in the thickness direction of a substrate and that allows reading of the information recorded on each information-recording surface of the two or more information-recording surfaces by varying the focal position of a playback laser beam incident on said light transmitting substrate having first pits or guide grooves corresponding to first information on one surface thereof forming an information-recording surface comprising:

a first reflecting layer formed on the information-recording surface of said substrate;

a transparent layer that is formed onto said first reflecting layer, wherein said transparent layer is formed from a thermoplastic resin sheet having a uniform thickness above at least 20  $\mu\text{m}$  in thickness;

a second information-recording surface having second pits or guide grooves corresponding to second information, wherein said transparent layer is formed by cutting said thermoplastic resin sheet along the outer edge of said substrate, and wherein said second pits are transferred to the surface of said thermoplastic resin sheet and the surface of said thermoplastic resin sheet is adhered to said first reflecting layer by melting the surface of said thermoplastic resin sheet, and said thermoplastic resin sheet is solidified by cooling after the surface thereof has been melted;

a second reflecting layer formed on said second information-recording surface of said transparent layer; and

a protective layer formed on said second reflecting layer.

**12. (New)** An optical information-recording medium as set forth in claim 11, wherein the thermoplastic resin sheet, which constitutes said transparent layer, has a double-pass birefringence of not more than  $\pm$  50 nm.

**13. (New)** An optical information-recording medium as set forth in claim 11, wherein the thermoplastic resin sheet, which constitutes said transparent layer, has a uniform film thickness in the range of about 20  $\mu\text{m}$  to about 100  $\mu\text{m}$ .

**14. (New)** An optical information-recording medium as set forth in claim 11, wherein the thermoplastic resin sheet has a variation in film thickness of about  $\pm$  1  $\mu\text{m}$ .

**15. (New)** An optical information-recording medium as set forth in claim 11, wherein the thermoplastic resin sheet is selected from the group consisting of a polymethyl methacrylate “PMMA” resin, polycarbonate resin, and amorphous polyolefin.